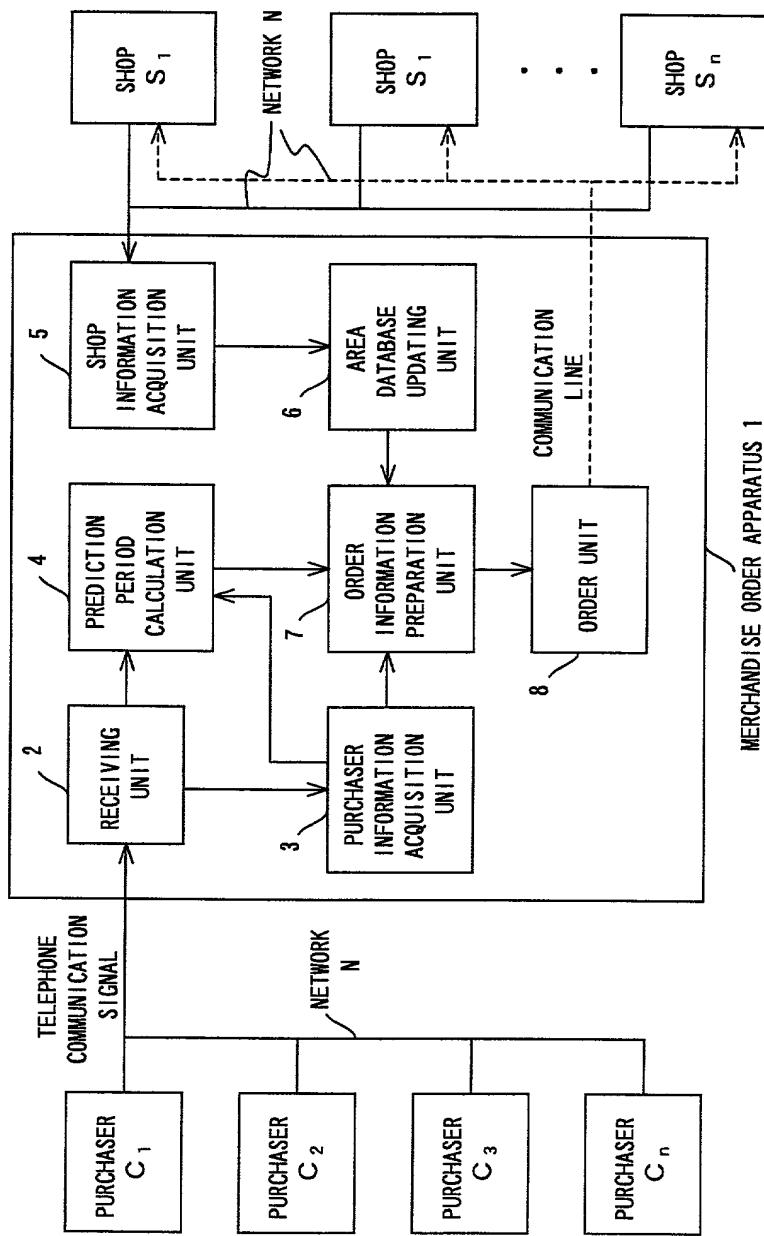
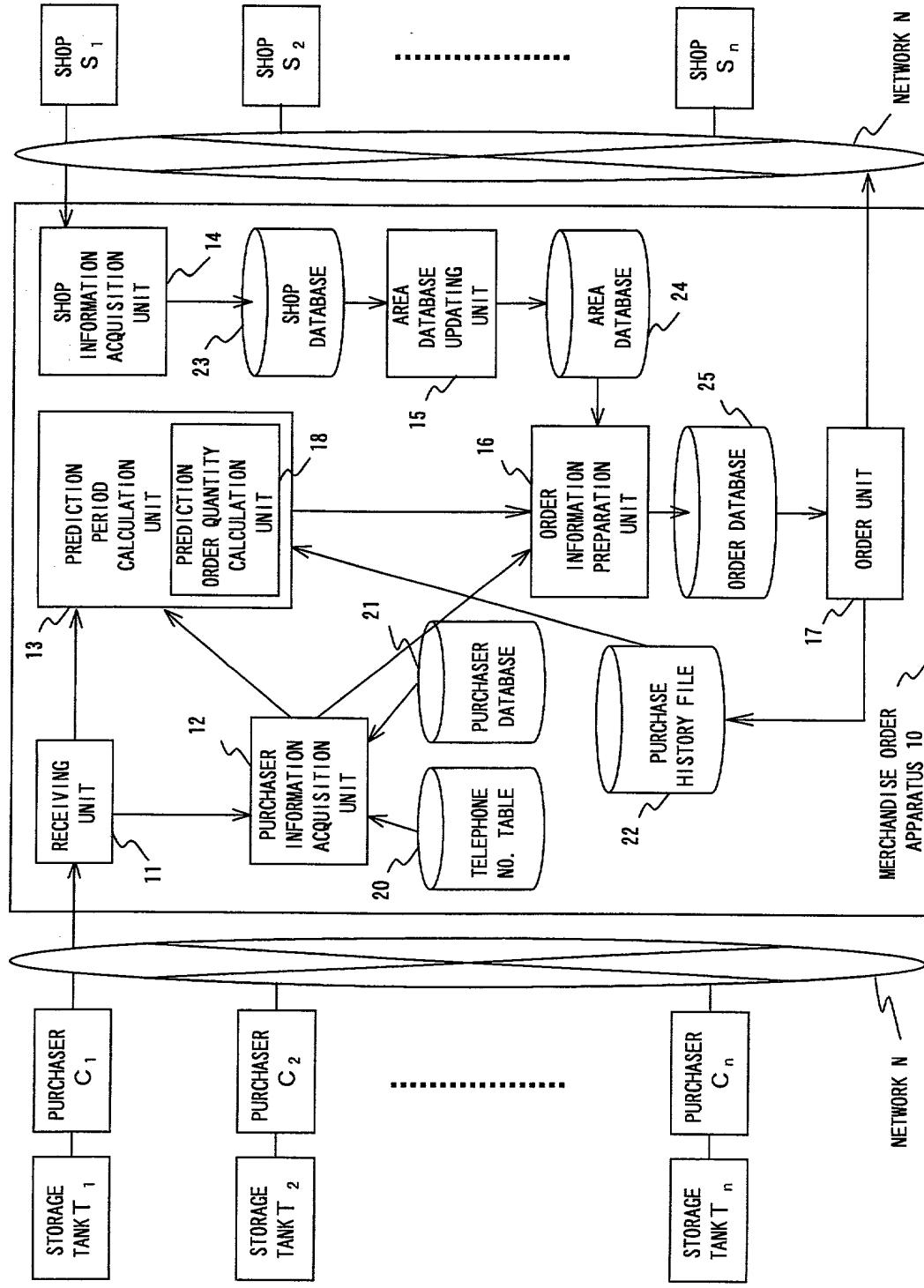


F I G. 1

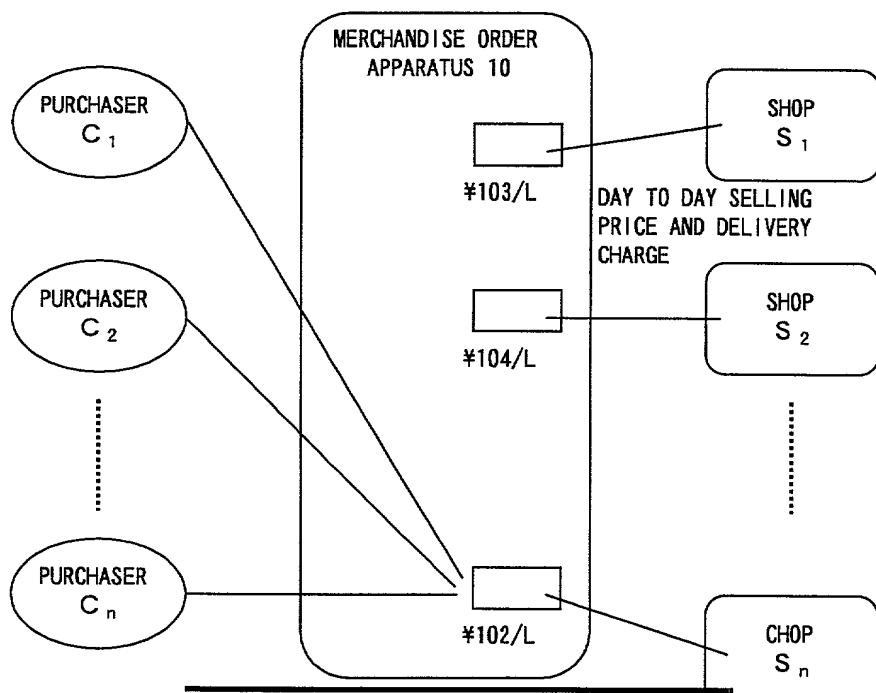
MERCHANDISE ORDER APPARATUS 1



F I G. 2



1000 900 800 700 600 500 400 300 200 100



F I G. 3

TELEPHONE NO. TABLE 20

TELEPHONE NO.	PURCHASER NO.
XX-XXXX-XXXX	0 0 0 0 1
XX-0000-XXXX	0 0 0 0 2
XO-XXXX-0000	0 0 0 0 3
OO-0000-XXXX	0 0 0 0 4
.	.
.	.

F I G. 4

PURCHASER DATABASE 21

PURCHASER NO.	PURCHASER NAME	PURCHASER ADDRESS	ADJUSTMENT COEFFICIENT	TANK CAPACITY (FULL)
00001	○○○△△	1-2-3 ××××, TOKYO	0.5	250 ℥
00002	△△△△△△△	31-6 ××××, TOKYO	0.8	198 ℥
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

F I G. 5

PURCHASE HISTORY FILE 22

PURCHASER NO.	PREVIOUS PURCHASE DATE	CURRENT PURCHASE DATE
00001	2000. 1. 15	2000. 2. 10
00002	2000. 1. 4	2000. 2. 5
• •	• •	• •

F I G. 6

SHOP SELLING PRICE TABLE 26

			PRICE FLUCTUATION TABLE OF THIS MONTH				PRICE FLUCTUATION TABLE OF THE NEXT MONTH			
SHOP NO.	SHOP NAME	DELIVERY CHARGE	1ST	2ND	...	31ST	1ST	2ND	...	31ST
00001	SHOP A	* XX	* YYY	* YY	...	* ZZZ	* ZZZ	* 000	...	* PPP

SHOP DELIVERY CHARGE TABLE 27

DELIVERY CHARGE FOR EACH AREA					
SHOP NO.	SHOP NAME	AREA A	AREA B	...	AREA Z
00001	SHOP A	* CCC	* WW	...	* KKK

F I G. 7



SHOP DATABASE 23

AREA SELLING PRICE TABLE 28

		PRICE FLUCTUATION TABLE OF THIS MONTH			PRICE FLUCTUATION TABLE OF THE NEXT MONTH				
SHOP NAME	DELIVERY CHARGE	1ST	2ND	...	31ST	1ST	2ND	...	31ST
SHOP A	* XX	* YYY	* VVV	...	* ZZZ	* ZZZ	* 000	...	* PPP
SHOP B	* LL	* MMM	* MNN	...	* NNN	* QQQ	* QQQ	...	* RRR

AREA DELIVERY CHARGE TABLE 29

DELIVERY CHARGE FOR EACH AREA				
SHOP NAME	AREA A	AREA B	...	AREA Z
SHOP A	* CCC	* VVV	...	* KKK
SHOP B	* LLL	* EEE	...	* UUU
	*	*	*	*

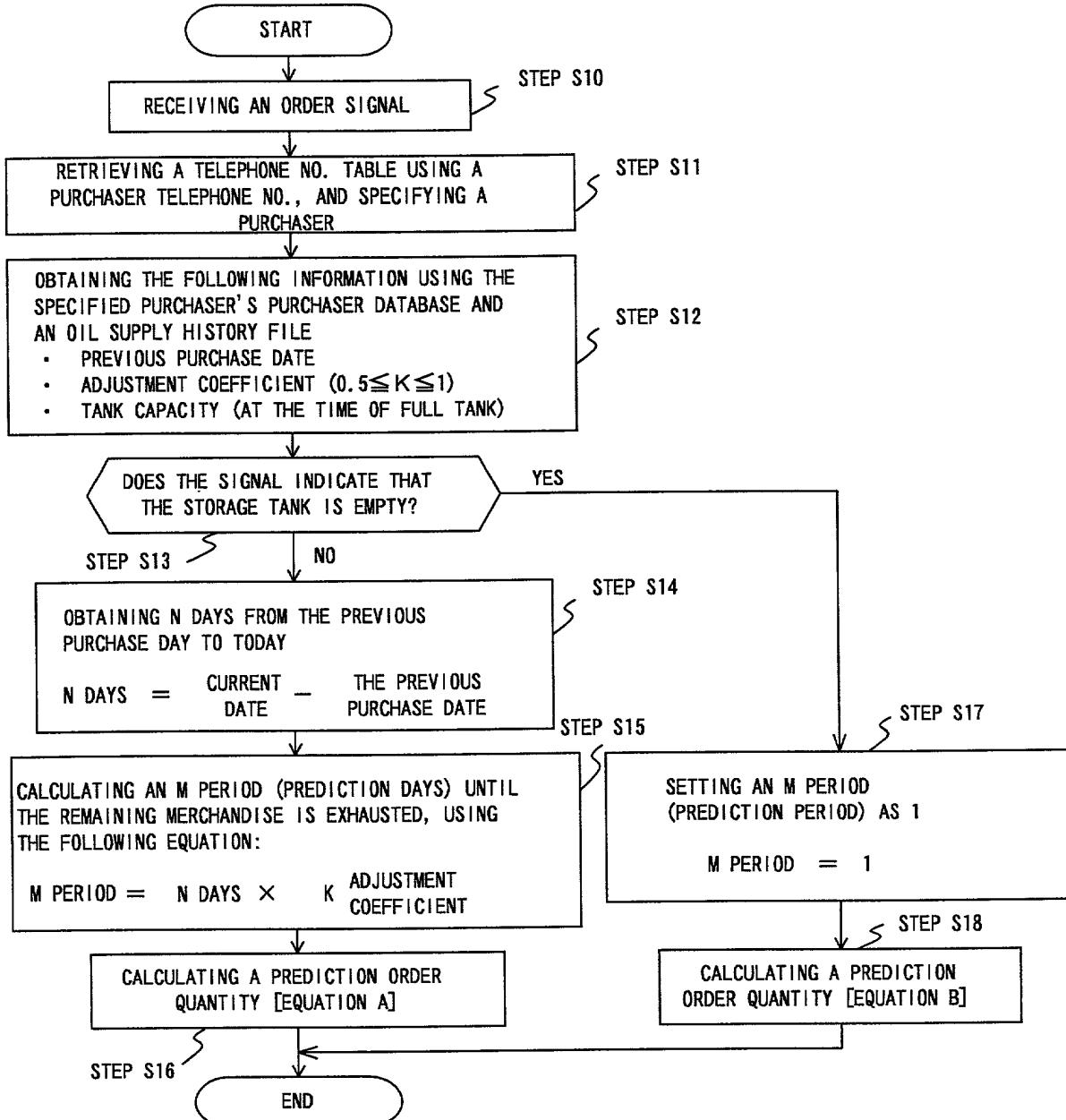
FIG. 8

AREA DATABASE 24

ORDER DATABASE 25

PURCHASER NO.	SHOP NAME	SCHEDULED PURCHASE DATE	ORDERED/NOT-ORDERED	PREDICTION ORDER QUANTITY
00001	SHOP A	2000. 2. 20	NOT-ORDERED	150 ℥
00002	SHOP B	2000. 1. 25	ORDERED	170 ℥
:	:	:	:	:

F I G. 9



[EQUATION A]  
CALCULATING A PREDICTION ORDER QUANTITY WHEN THE MERCHANDISE REMAINING QUANTITY IS HALF

MERCHANDISE CONSUMPTION QUANTITY PER ONE DAY : F

$$F = \frac{\text{FULL TANK } (\ell)}{2} \div \text{N DAYS}$$

PREDICTION ORDER QUANTITY : R

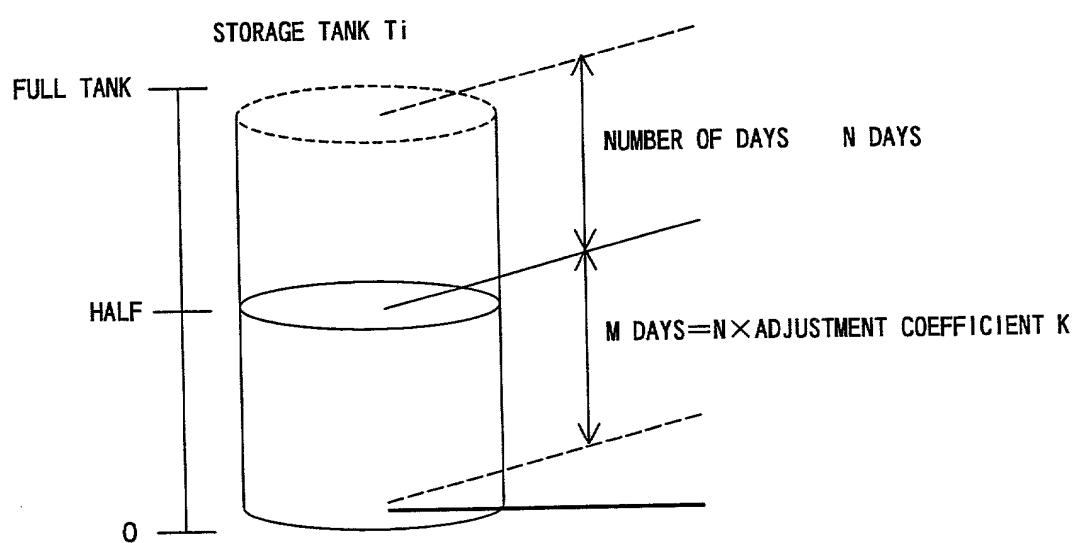
$$R = \frac{\text{FULL TANK } (\ell)}{2} + \text{M DAYS} \times F$$

[EQUATION A]  
CALCULATING A PREDICTION ORDER QUANTITY WHEN THE MERCHANDISE REMAINING QUANTITY IS ZERO

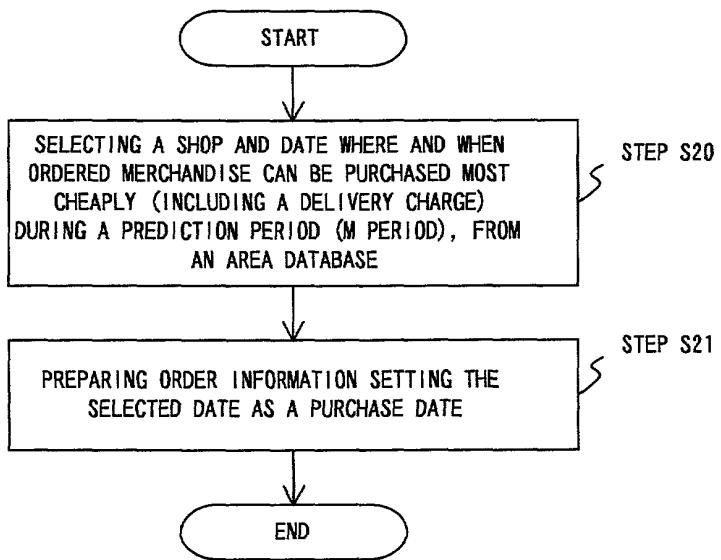
PREDICTION ORDER : R

$$R = \text{FULL TANK } (\ell)$$

F I G. 1 0

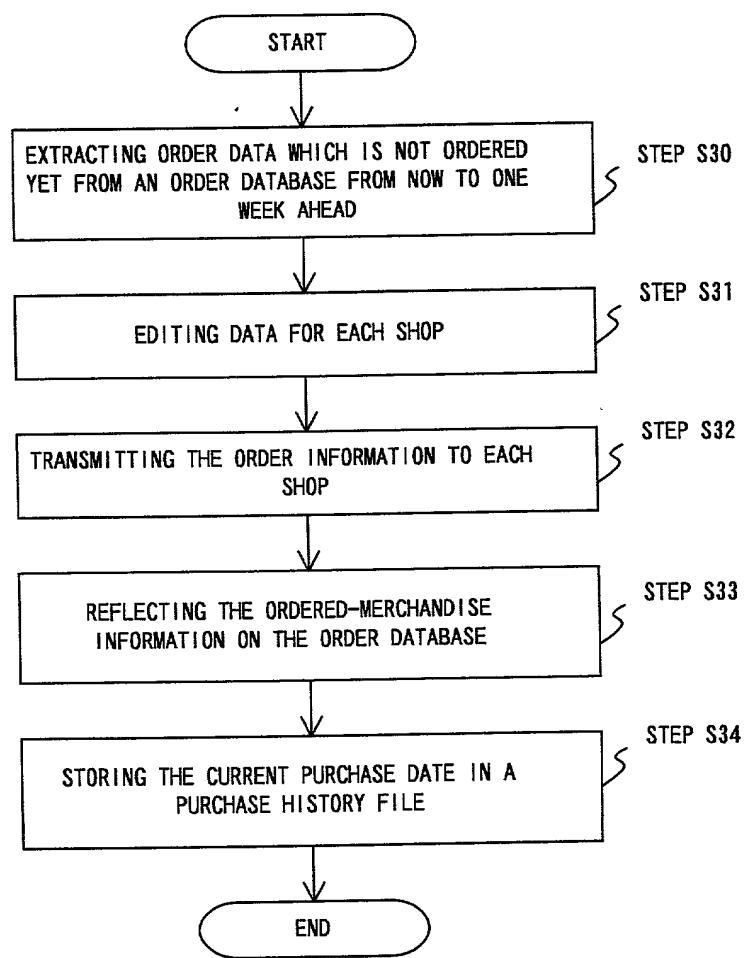


F I G. 11



F I G. 1 2

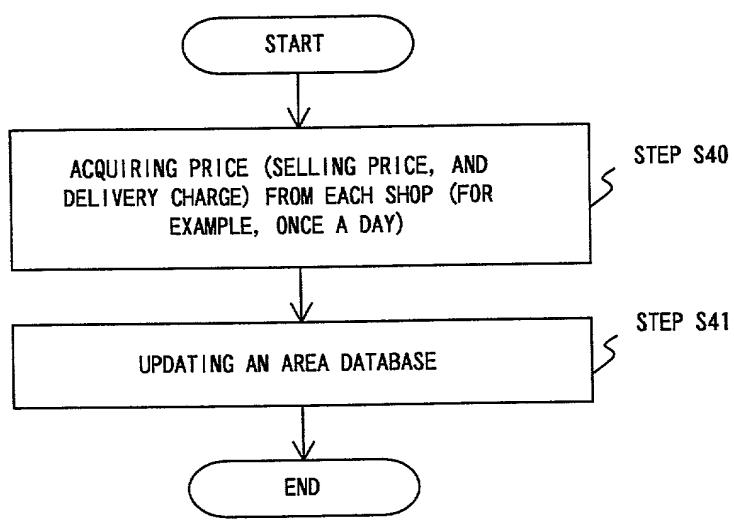
FIGURE 13



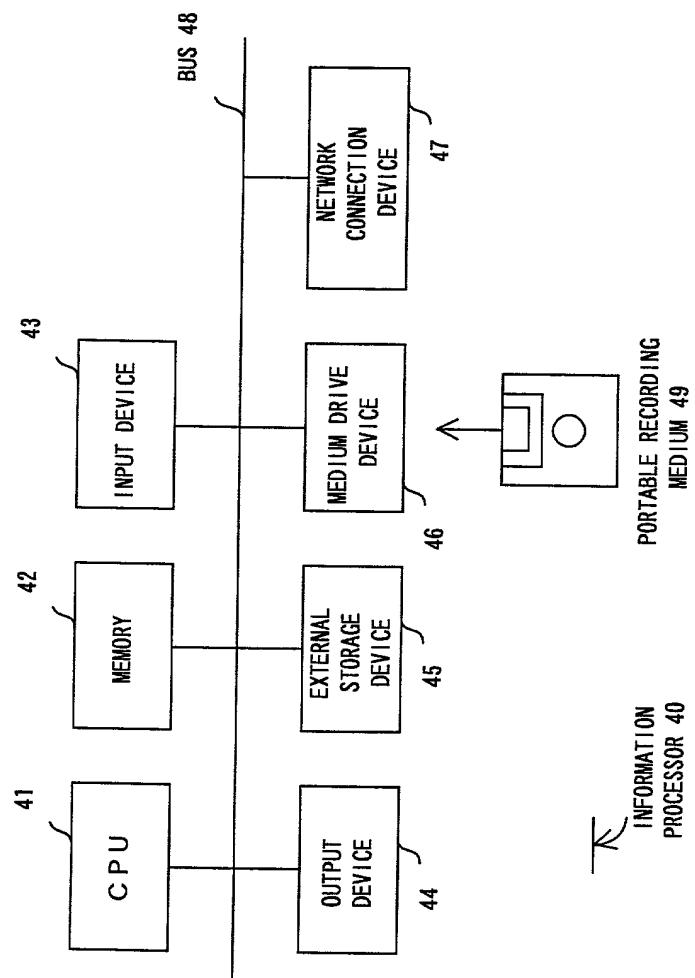
F I G. 1 3

TO SHOP A			
PURCHASER NAME	ORDER DATE	ADDRESS	PREDICTION ORDER QUANTITY
TO SHOP B			
PURCHASER NAME	ORDER DATE	ADDRESS	PREDICTION ORDER QUANTITY
MR. ○○○△△△	2000. 2. 10	1-2-3 ××××, TOKYO	100 ℥
MR. △△△△△△△	2000. 2. 5	31-6 ××××, TOKYO	150 ℥
.	.	.	.
.	.	.	.

F I G. 1 4



F I G. 1 5



F I G. 16

FIG. 17

